

LISTING OF CLAIMS

B)

1(currently amended). A sealing device comprising an injection molded and non-symmetrical tub having [at least one fastening feature] a plurality of fastening features wherein at least one heat expandable material contacts at least a portion of the tub.

2(previously amended). An automotive floor pan extension comprising an injection molded component having at least one integrally molded locking feature and wherein at least one heat expandable sealant contacts at least a portion of the injection molded component and wherein said extension contacts the floor pan and at least one adjacent automotive component selected from the group consisting of structural and architectural members.

3(currently amended) A sealed region comprising at least three adjacent metallic automotive members at least partially in contact with a cavity sealer having at least one recess, wherein said cavity sealer comprises an injection molded component having [at least locking feature] a plurality of locking features, and wherein at least one heat activated sealant contacts at least a portion of said cavity sealer and said at least three metallic automotive members.

4(previously amended). The sealing device of Claim 1 wherein said fastening feature comprises at least one weldable metal.

5(previously amended). The sealing device of Claim 1 wherein said fastening feature comprises at least one self-locking tab.

6(previously amended). The automotive floor pan extension of Claim 2 wherein said said members comprises at least one member body sheet metal, frame rails, floor pan flanges, D-pillar inner members, rear sills and wheel housings.

B/
Cont.

7(previously amended). The sealed region of Claim 3 wherein one of said at least three adjacent metallic automotive members comprises a floor pan.

8(previously amended). The sealing device of Claim 1 wherein said tub comprises polyethylene terephthalate.

9(original). The automotive floor pan extension of Claim 2 wherein the injection molded component comprises a fiber reinforced thermoset composite.

10(previously amended). The sealed region of Claim 3 wherein said injection molded component comprises injection moldable polypropylene.

11(original). The sealed region of Claim 3 wherein said at least one locking feature engages opening defined in at least one of said at least three metallic automotive members.

12(currently amended). A seal for at least two adjacent automotive components comprising an automotive floor pan and at least one member selected from the group consisting of metallic structural and architectural members, comprising:

a thermoplastic member defining at least one cavity and having a heat expandable sealant located at least partially between the thermoplastic member and the components, and

[at least one compressible retaining feature] a plurality of retaining features that engage[s] a plurality of openings defined in at least one of the components.

13(previously added). The seal of Claim 12 further comprises at least one weldable insert.

14(previously added). The seal of Claim 12 wherein said members comprise body sheet metal members.

B1 15(previously added). The seal of Claim 12 wherein said members comprise at least one member selected from the group consisting of frame rails, rear floor pan flange, D-pillar inners, rear sills and wheel housings.

16(previously added). The seal of Claim 12 wherein said thermoplastic member comprises at least one member selected from the group consisting of polyester, polypropylene and polyethylene terephthalate.

17(previously added). The seal of Claim 12 wherein said heat expandable sealant comprises ethyl vinyl acetate.

18(previously added). The seal of Claim 12 wherein the compressible retaining feature comprises at least one locking tab.

19(previously added). The seal of Claim 12 wherein said thermoplastic member has a non-symmetrical configuration.

20(previously added). The seal of Claim 12 further defining at least one opening.

B2 21(new). A seal among at least three adjacent automotive components comprising an automotive floor pan and at least two members selected from the group consisting of frame rails, rear floor pan flange, D-pillar inners, rear sills and wheel housings, the seal comprising:

a thermoplastic member defining at least one cavity and having a heat expandable sealant located at least partially between the thermoplastic member and the components, and

a plurality of retaining features that engage a plurality of openings defined in the components.

22(new). The seal of Claim 21 wherein said thermoplastic member defines at least one opening.

B2

23(new). The seal of Claim 21 wherein the locking features comprise locking tabs.

24(new). The seal of Claim 21 wherein the thermoplastic member defines a channel for receiving the heat expandable sealant.
